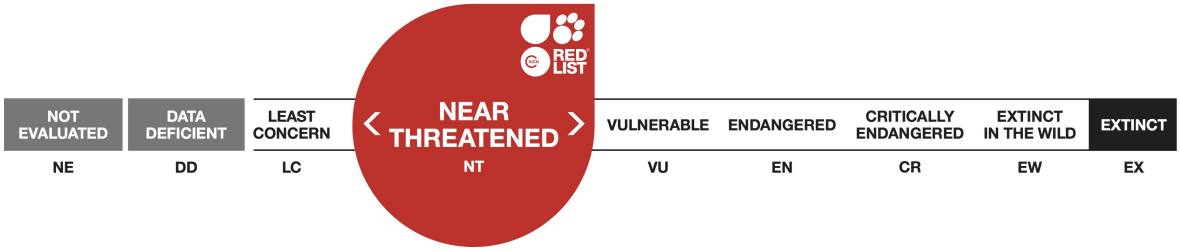
The IUCN Red List of Threatened Species™
ISSN 2307-8235 (online)
IUCN 2008: T82949619A82951922
Scope: Global
Language: English

Pittosporum verrucosum

Assessment by: Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L.



View on www.iucnredlist.org

Citation: Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L. 2017. *Pittosporum verrucosum. The IUCN Red List of Threatened Species 2017*: e.T82949619A82951922. http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T82949619A82951922.en

Taxonomy

Kingdom	Phylum	Class	Order	Family
Plantae	Tracheophyta	Magnoliopsida	Rosales	Pittosporaceae

Taxon Name: *Pittosporum verrucosum* Veillon & Tirel

Taxonomic Source(s):

Tirel, Ch. and Veillon, J.-M. 2002. *Flore de la Nouvelle-Calédonie, tome 24. Pittosporaceae*. Museum d'Histoire Naturelle, Paris.

Assessment Information

Red List Category & Criteria: Near Threatened ver 3.1

Year Published: 2017

Date Assessed: July 23, 2015

Justification:

Pittosporum verrucosum is an endemic small tree of New Caledonia distributed in central Grande Terre between Nakada and Görö Përë, and appears to be sympatric with *Pittosporum morierei*. This species is found in dense humid forest on schist at an altitudinal range 80-800 m asl. Its area of occupancy and extentof occurrence are equal to 84 and 1,356 km² respectively for a total of 11 subpopulations (=locations). Habitat degradation of *P. verrucosum* is due to pressures exerted by two invasive animal species: Rusa Deer (*Rusa timorensis*) and feral pigs, resulting in a continuous decline in the quality of habitat. Using criterion B, *P. verrucosum* qualifies for listing as Near Threatened (NT) as it is close to qualifying for a threatened category (VU) B1ab(iii)+2ab(iii).

Geographic Range

Range Description:

Pittosporum verrucosum is an endemic small tree of New Caledonia distributed in the central part of Grande Terre between Nakada and Görö Përë.

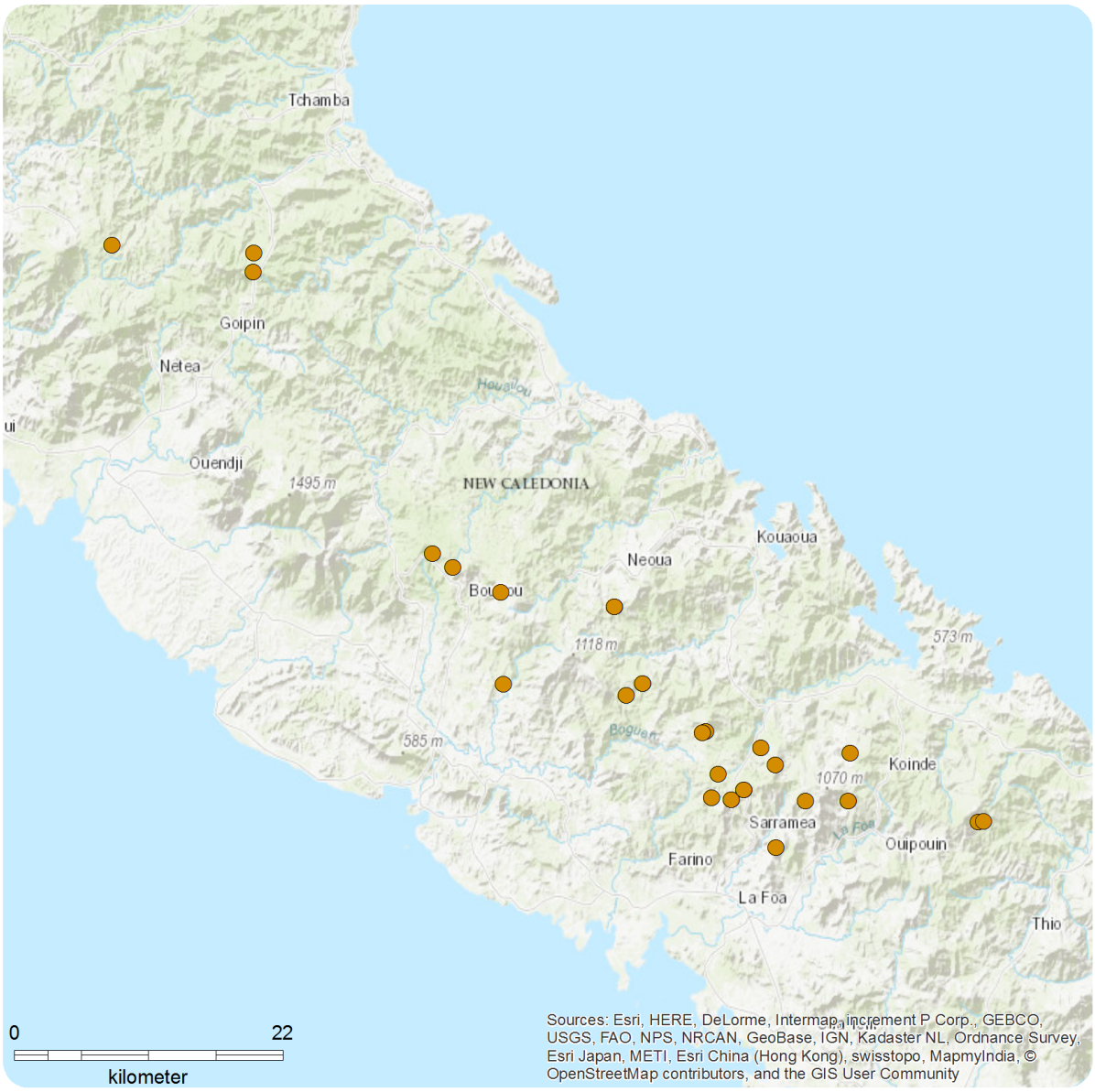
Country Occurrence:

Native: New Caledonia

http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T82949619A82951922.en

Distribution Map

Pittosporum verrucosum



Range

Extant (resident)

Compiled by:

IUCN SSC New Caledonia Plants RLA

The boundaries and names shown and the designations used on this map do not imply any official endorsement, acceptance or opinion by IUCN.

http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T82949619A82951922.en

Population

Population size is not precisely known.

Current Population Trend: Unknown

Habitat and Ecology (see Appendix for additional information)

Species found in humid dense forest on schist, *Pittosporum verrucosum* occurs at an altitudinal range 80-800 m asl.

Systems: Terrestrial

Threats (see Appendix for additional information)

Due to its ecology and distribution, *Pittosporum verrucosum* could be negatively impacted by damage to its habitat caused by Rusa Deer (*Rusa timorensis*) and feral pigs.

Conservation Actions (see Appendix for additional information)

Unprotected species by legislation, *Pittosporum verrucosum* is, however, known from réserve de nature sauvage du massif de l'Aoupinié and Parc des Grandes Fougères. Estimation of subpopulation sizes would be beneficial for improved monitoring of populations.

Credits

Assessor(s): Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L.

Reviewer(s): Tanguy, V.

Facilitators(s) and Compiler(s): Chanfreau, S.

http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T82949619A82951922.en

Bibliography

Endemia.nc. 2016. Faune et Flore de Nouvelle-Calédonie. Available at: http://www.endemia.nc.

IUCN. 2017. The IUCN Red List of Threatened Species. Version 2017-3. Available at: www.iucnredlist.org. (Accessed: 7 December 2017).

Tirel, Ch. and Veillon, J.-M. 2002. *Flore de la Nouvelle-Calédonie, tome 24. Pittosporaceae*. Museum d'Histoire Naturelle, Paris.

Citation

Gemmill, C., Veillon, J.-M., Amice, R., Cazé, H., Dumontet, V., Fleurot, D., Garnier, D., Gâteblé, G. & Maggia, L. 2017. *Pittosporum verrucosum. The IUCN Red List of Threatened Species 2017*: e.T82949619A82951922. http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T82949619A82951922.en

Disclaimer

External Resources

For Images and External Links to Additional Information, please see the Red List website.

Appendix

Habitats
(http://www.iucnredlist.org/technical-documents/classification-schemes)

Habitat	Season	Suitability	Major Importance?
1. Forest -> 1.6. Forest - Subtropical/Tropical Moist Lowland	-	Suitable	-

Threats
(http://www.iucnredlist.org/technical-documents/classification-schemes)

Threat	Timing	Scope	Severity	Impact Score
8. Invasive and other problematic species, genes & diseases -> 8.1. Invasive non-native/alien species/diseases -> 8.1.2. Named species (Rusa timorensis)	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.1. Species mortality 2. Species Stresses -> 2.2. Species disturbance 2. Species Stresses -> 2.3. Indirect species effects -> 2.3.7. Reduced reproductive success		
8. Invasive and other problematic species, genes & diseases -> 8.1. Invasive non-native/alien species/diseases -> 8.1.2. Named species (Sus domesticus)	Ongoing	-	-	-
	Stresses:	1. Ecosystem stresses -> 1.2. Ecosystem degradation 2. Species Stresses -> 2.2. Species disturbance 2. Species Stresses -> 2.3. Indirect species effects -> 2.3.7. Reduced reproductive success		

Conservation Actions in Place
(http://www.iucnredlist.org/technical-documents/classification-schemes)

Conservation Actions in Place
In-Place Land/Water Protection and Management
Occur in at least one PA: Yes
Invasive species control or prevention: No
In-Place Species Management
Successfully reintroduced or introduced beningly: No
Subject to ex-situ conservation: No

Research Needed
(http://www.iucnredlist.org/technical-documents/classification-schemes)

http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T82949619A82951922.en

Research Needed
3. Monitoring -> 3.1. Population trends

Additional Data Fields

Distribution
Estimated area of occupancy (AOO) (km²): 84
Continuing decline in area of occupancy (AOO): No
Extreme fluctuations in area of occupancy (AOO): No
Estimated extent of occurrence (EOO) (km²): 1356
Continuing decline in extent of occurrence (EOO): No
Extreme fluctuations in extent of occurrence (EOO): No
Number of Locations: 11
Continuing decline in number of locations: No
Extreme fluctuations in the number of locations: No
Lower elevation limit (m): 80
Upper elevation limit (m): 800
Population
Continuing decline of mature individuals: No
Extreme fluctuations: No
Population severely fragmented: No
No. of subpopulations: 11
Extreme fluctuations in subpopulations: No
Habitats and Ecology
Continuing decline in area, extent and/or quality of habitat: Yes
Generation Length (years): 0

http://dx.doi.org/10.2305/IUCN.UK.2017-3.RLTS.T82949619A82951922.en

The IUCN Red List Partnership

The IUCN Red List of Threatened Species™ is produced and managed by the IUCN Global Species Programme, the IUCN Species Survival Commission (SSC) and The IUCN Red List Partnership.

The IUCN Red List Partners are: Arizona State University; BirdLife International; Botanic Gardens Conservation International; Conservation International; NatureServe; Royal Botanic Gardens, Kew; Sapienza University of Rome; Texas A&M University; and Zoological Society of London.